Table 1: June 25, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Continuing development of the Release 2 flight ready system. (Anselmo, Cooper, Escuadra, Hess, Rodier) • Design and implement QC Reports. (Cooper, Hess) • Adding CERES customizations to the new version of StP. (Spence) • Analysis of TRMM SIM #3 Data. (Hess, Rodier, Spence) • Implement Diagnostic Data processing. (Anselmo, Cooper, Escuadra, Hess)	
2.0	Chang	• Received new NOAA9 offsets from Richard and reformatted them to be used by the S8 to ES8 conversion program. (Chang) • Received new ERBE snow maps, LW and albedo thresholds from Ed and Dave, and generated new ERBE snow map files for ERBE-like Inversion program to use to do the ERBE data reprocessing. (Chang) • Received new ERBE directional models values from Dave and made new directional models file for ERBE-like monthly data processing programs. (Chang) • Removed the carriage control characters in the QC reports from ERBE-like inversion code and DDB update code. (Chang, Snell) • Received new ERBE ALBMN and RMATRIX values from Patty. (Chang) • Adding three channel comparison code to the ERBE-like inversion program. (Sandy, Snell) • Adding tropical constants code to the ERBE-like inversion program. (Chang)	
3.0	Chang	• Combined with above.	

Table 1: June 25, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.1	Murray	• Integrated and delivered Stowe aerosol algorithm for 1.6 micron channel. Validated stowe aerosol optical depth for channel 0.6 micron. (Sun-Mack) • Successfully compiled 4.1-4.4 on both lightning(SCF) and samantha (DAAC). 4.1-4.3 executed on lightning, but very slow due to automounted disks. (McIntire) • Modified IDL code to plot Clouds ancillary maps to output format requested by Bryan Baum. (McIntire) • Continued efforts to validate the CloudVis postprocessor. (McIntire) • Obtained patch from ECS for the Toolkit that will hopefully allow us to read VIRS metadata. Forwarded the patch to Henry Flippo for installation with Toolkit 5.2. (McIntire) • Updated Cloud Code to use official Release 2 version of the MOA data product. (Murray) • Completed first run of Clouds 7 day test. (McIntire, Murray) • Validated the updated CRH files were not begin updated from the previous day. Set-up to rerun the 7 day test. (Murray) • Attempted O3 optimization run. Had a problem in CRH update. (Murray)	
4.2	Murray	• Combined with above.	
4.3	Murray	• Combined with above.	

Table 1: June 25, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.4	McKinley	• Received and reviewed the optimization report from Dr. George Neil. (McKinley, Miller) • Implemented the suggestions from the optimization report. Determined a method with the help of Tim Murray to use the C memory set function as a normal C call instead of decomposing it to assembly language with no loss in efficiency. (Miller) • Completed the 7 day science test. (McKinley, Miller) • Compiled SS4.4 using Toolkit version 5.2 on blizzard with no problems. (Miller) • Compiled code using optimization O3 and attempted to resolve discrepancies in SSF results between O2 and O3. Currently, can only be resolved using a combination of O2 and O3 compiles. (McKinley, Miller) • Discovered bug in NAG64 during compile of SS4.4. Worked with Joe Stassi and NAG Technical Desk to obtain patch. (Miller) • Worked on documentation requirements for release 2 & DAAC delivery. (Miller, McKinley) • Updated make tortilla program that is used to subset cookie dough file for Point Spread Function studies. (Miller)	
4.5	Nolan	• 7-day test of Subsystem 4 identified a problem in the Scene ID module. The module was updated and testing continued. (Nolan) • Continued work on Subsystem 4.5 and 4.6 Metadata and QC parameters definitions. (Nolan) • Continued prologue documentation for the SSF to HDF post processor software. (Franklin) • Continued work to create an HDF file from the SSF containing only Vdatas. (Franklin) • Initiated work to update the SSF QC Type definition Module. (Brown) • Initiated work to update the SSF QC Report generator. (Brown) • Initiated updates to the sample test plan for Subsystems 4.5 and 4.6 to correspond with the information in the latest Software Bulletin. (Nolan, Franklin)	

Table 1: June 25, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.6	Nolan	• Combined with above.	
5.0	Coleman	• Completed implementation of code to use surface elevation from the SSF instead of the MOA. Fred has approved results. (Gupta) • Made full one-hour run with Fred's skin temperature changes, and waiting on Fred's approval. (Gupta)	
7.2	Coleman	• Combined with above.	
12.0	Coleman	• Completed implementation of code to handle microwave water vapor and corresponding source flag. This completes Milestone 4. (Kizer) • Prepared Delivery Memo for delivery to CM. (Kizer)	
7.1	Jimenez	• Combined with below	
8.0	Jimenez	• Combined with below	
10.0	Jimenez	• Began testing the surface algorithms in SS10. (Jimenez) • Began testing optical depth interpolation and averaging. (Jimenez) • Began Release 2 testing. (Jimenez, Raju) • Ten SFC zonal files and 30 PMOA files were generated for testing. (Raju)	
6.0	McKoy	• Reviewed Log file errors created by range_mod.f90. Most errors seemed to be caused by check_sfc routines, may be problem with input file or PCF. (Snell) • Copied sfc_range file from input to ancillary/static and began to update them according to changes in type definitions. (Snell)	
9.0	McKoy	• Combined with above.	

Table 1: June 25, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
11.0	Stassi/ Fan	• Reorganized GGEO data location information in PCFs so that granfiles are put in the data/int_prod subdirectory, qc reports in the data/out_comp/ qa_reports subdirectory, and the *.met metadata files in the data/out_comp/metadata subdirectory. Also moved the Log files from the errlogs directory to the runlogs directory. (Stassi) • Calculated Meteosat calibration tables using equations from ISCCP documentation. Sent tables to Tak and Dave for inspection. (Stassi) • Continued debugging Meteosat B1 processing. I think I have a bad input file. (Stassi) • Tak has received input data from all satellites for April ‘96. This data is being loaded onto the tape_archive directory on thunder. (Wong, Wallner) • Used GGEO code to perform timing tests with the NAG-64 compiler. (Stassi)	Tried to report the granfile logic ID in the INTER-MEDIATE FILE sectionof the PCF, but this did not work. Prob-lem has been reported.
CERESlib Stassi/ Fan		• Added new moa_io module. (Kizer, Stassi) • Modified DA_EOF PARAMETER value in ceres_status module for samantha. Redelivered code to CM and DAAC. (Stassi) • Met with Cheryl Croft for the MCF creation using tool "MetaData Works". (Mitchum, Direskeneli, Travers, Fan, McIntire) • Investigated the application of the exit code. (Mitchum, Fan) • Tested TK5.2. (Fan) • Modified the metadata wrapper based on the new CERES Baseline Header metadata. (Fan, Mitchum) • Loaded NAG-64 onto thunder along with a corresponding version of the Toolkit. (Wallner) • Added two new (temporary, unsupported) versions of CERESlib: nag64_lib and nag64_1deg_lib. Added new ceres start-up scripts to go along with these new library versions. (Stassi)	

Table 1: June 25, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
CM	Ayers	• ERBE-like was delivered to the DAAC. (Mckoy, Hyer) • Received the delivery package for Instrument. (Mckoy) • A script was written to check deliveries for ECS prohibited functions. (Hyer)	
IST	Flug	• Modified LARCSNAP.TEST, changed the time in this file to merge with BDS snap file. Modified the BDS snap program to build the BDS snap file to match with the new format from LARCSNAP for sim#3. (Nguyen) • Checked received snap files during sim#3 for the two systems: flug and testbed1. (Nguyen) • Merged LARCSNAP.00074 with BDS snap for day 164 to investigate the time difference between the snap shot from the ISW and the times in snap file. (Nguyen)	